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Date: 03/15/2005

Cover Sheet + 14 Pages

Message:

RE: Patent Application No.: 10/644,567

Filed: 08/20/2003

Inventor: Walton et al.

Docket No.: NC 84,613

Fee Transmittal – 1 page

Amendment in Response to Non-Final Rejection – 13 pages

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PTO/SB/17 (12-04v2)

Approved for use through 07/31/2006. OMB 0851-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Effective on 12/08/2004.
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).**FEE TRANSMITTAL**
For FY 2005☐ Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$) 50

Complete if Known

Application Number	10/644,567
Filing Date	08/20/2003
First Named Inventor	Walron
Examiner Name	McDonald, Rodney Glenn
Art Unit	1753
Attorney Docket No.	NC 84,613

METHOD OF PAYMENT (check all that apply)☐ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify):☒ Deposit Account Deposit Account Number: 50-0281 Deposit Account Name: Naval Research Laboratory

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FEE CALCULATION**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES**Fee Description**

Each claim over 20 (including Reissues)

Fee (\$)	Small Entity Fee (\$)
50	25

Each independent claim over 3 (including Reissues)

200

Multiple dependent claims

360

Total Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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21 - 20 or HP = 1 x 50 = 50

HP = highest number of total claims paid for, if greater than 20.

Indep. Claims	Extra Claims	Fee (\$)	Fee Paid (\$)
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- 3 or HP = x =

HP = highest number of independent claims paid for, if greater than 3.

Multiple Dependent Claims

Fee (\$)	Fee Paid (\$)
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3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
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- 100 = / 50 = (round up to a whole number) x =


4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge):

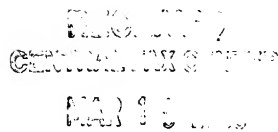
Fees Paid (\$)

SUBMITTED BY

Signature		Registration No. (Attorney/Agent) 46,746	Telephone 202-404-1556
Name (Print/Type)	Joseph T. Grunkemeyer	Date	3/15/05

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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PATENT APPLICATION
Docket No.: NC 84,613

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the application of: Walton et al.

Serial No.: 10/644,567

Filed: 08/20/2003

For: ELECTRON BEAM ENHANCED LARGE AREA DEPOSITION SYSTEM

Examiner: McDonald, Rodney Glenn

Art Group Unit: 1753

Honorable Commissioner of Patents

PO Box 1450

Alexandria, VA 22313-1450

March 15, 2005

AMENDMENT IN RESPONSE TO NON-FINAL REJECTION

Sir:

In response to the Office action of 12/23/2004, setting a three month shortened statutory period of reply, please amend the above-identified application as follows.

Amendments to the Specification begin on page 2 of this paper.

Amendments to the Claims are reflected in the listing of claims, which begins on page 4 of this paper.

Remarks begin on page 7 of this paper.

CERTIFICATE OF FACSIMILE TRANSMISSION

I certify that this correspondence is being facsimile transmitted to the US Patent and Trademark Office on the date shown below.

3/15/05
Date

Joseph T. Grunkemeyer
Joseph T. Grunkemeyer